

CK-2505

MURDO SIXTEEN 0.4km

2015 Inspection



CBR iPad Offline Ver 0.21

CBR Data

Latitude 49°17'41.79" Longitude -122°13'23.7"

Crossing Name Unknown

FSR # 8466 Branch # 16

Road Name MURDO SIXTEEN

User km 0.4

Current Load Rating (tonnes) 109

Structure Class Woodbox/Log Culvert

Portable N

Superstructure

Deck Type

Abutment Left

Abutment Right

Spans 0

Total Length (m) 7

Deck Width (m)

Updated Data

Latitude 49°17'42.21" Longitude -122°13'24.08"

HD Diff. (m) 14.7 Accuracy (m) 5

Temporary Bridge

N

Log Stringer

Gravel

Sill -Temporary Materials

Sill -Temporary Materials

1

7.0

4.9

Inspection

Date of Inspection 2015-10-01 10:09:33 AM

Inspector Name Tyson Miller

Inspection Company MFLNRO

Inspector Comments

P.Eng Comments

Replace the missing guide log on upstream left approach. Post bridge ahead signs. Monitor the fill at the outlet of the structure. The sill logs are already scoured and the remaining fill is over-steepened. If anymore scour has taken place then what is evident in this inspection then the usage should be halted and a repair plan determined. Present load rating of L120 or 109 tonnes to continue.



P.Eng Seal

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Approach

Alignment Fair

Bridge Ahead Signs
Missing ☐ 0 ☐ 1 ☒ 2

Brushing Required N

Delineator Missing
Left ☒ 0 ☐ 1 ☐ 2Delineator Missing
Right ☒ 0 ☐ 1 ☐ 2

Fender Condition Fair missing left upstream fender

Posted Load Rating not posted

Road Surface Fair

Abutment

Log/Timber Cribs N/A

Tie Backs N/A

Bin Wall N/A

Concrete N/A

Caps or Sills Fair scoured downstream on both ends

Piles or Posts N/A

Ballast Wall N/A

Wing Wall N/A

Bracing N/A

Hardware Fair

Fill Fair

Riprap Fair

Bearings Fair

Corrosion Protection N/A

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Deck

Running Surface	N/A	
Running Planks	N/A	
Sub Deck	N/A	
Ties	N/A	
Nails	N/A	
Deck to Girder Bolts	N/A	
Concrete Deck	N/A	
Grout Pockets	N/A	
Deck Joints	N/A	
Steel Deck Plate	N/A	
Gravel Surface	Fair	
Curb Rail/Blocks/Posts	Fair	
Hand Rails/Walkouts	N/A	
Hardware	N/A	
Overall Deck Condition	Fair	6.0m span
Gravel Depth (mm)	400	

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Steel/Concrete

Serial/ID Plate

Girders

Diaphragms

Bracing

Under Trussing

Hardware

Welded/grouted
shear connectors**Log**

Log Curbs

Needle Beam

Needle Lashing/
Shimming

Needle Beam to Crib (m)

Needle Diameter (mm)

Stringer
Number

Species

Peeled

Diameter
(mm)Rot Depth
(mm)

Condition

Comment

same as last year

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Hazards

Estimated Present Water Level Depth (m)	0.1	High Water	☐	Debris	☐
Estimated Present Water Level Width (m)	2.0	Aggradation	☐	Scour	☒
Estimated High Water Level Clearance (m)	0.5	Ice	☐		

Comments The scour does not appear to have changed from last inspection. Either deactivate and make passable by 4x4 or repair scour

Repairs and Monitoring

Repair Item	Priority	Repair Description
1	Medium	post bridge ahead signs
2	Medium	replace missing fender log
3	High	repair downstream scour on both abutments

Item	Monitor Description	Frequency
1	scour under both abutments	Routine Inspection
2		
3		

Sketch
(Select Signature)

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Approach from Right Bank when facing downstream



downstream



upstream



Approach from Left Bank when facing downstream

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Left Bank Abutment when facing downstream



scour under right downstream sill



Right Bank Abutment when facing downstream



scour under left downstream sill